

twelve, simply pinnate, some of the posterior plumes bifid; oral tentacles short, wholly concealed under mantle; eyes apparently absent. Mantle brilliant purple with a yellow margin (continuous in front and behind), and three longitudinal yellow stripes; the yellow of the margin is really bright orange, bordered with white; the median yellow stripe begins a short distance before the rhinophores, and runs between them; rhinophores dark purple; foot white with a purple tint, or quite purple when contracted after death; the end of the foot is purple with a dorsal longitudinal orange stripe. The purple color does not dissolve out in formalin.

Hab.—In rocky pools at low tide, La Jolla, Cal., beginning of August; San Pedro, Cal., July 27th. All collected by Wilmatte P. Cockerell. Quite common at La Jolla. Named after Prof. F. M. McFarland of Stanford University, who has done some excellent work on the nudibranchs of Pacific Grove, Calif.

NEW LAND SHELLS OF THE JAPANESE EMPIRE.

BY HENRY A. PILSBRY.

Chloritis bracteatus n. sp.

Shell depressed-globose, almost imperforate, very thin and fragile, brown. Surface dull to the eye, under a strong lens seen to be very densely covered with very small crescentic scale-like cuticular processes, densely crowded, and arranged in nearly regular descending rows. Spire convex. Whorls $4\frac{1}{2}$, the inner slowly, the last rapidly widening; separated by a deep suture. Aperture rounded, lunate, the peristome simple and thin, at the columellar insertion abruptly dilated, almost closing the umbilicus. Alt. $13\frac{1}{2}$, diam. 18 mm.

Nishigo, Uzen. Types no. —. A. N. S. P., from no. 904 of Mr. Hirase's collection.

This most northern of all its genus is strongly distinct by its excessively minute, curved cuticular appendages, unlike the hairs of all other species of *Chloritis*.

Pupisoma japonicum n. sp.

Shell globose-turbinata, umbilicate, light brown, very delicate and fragile. Surface delicately striatulate. Spire conic, the apex obtuse. Whorls $3\frac{1}{2}$, strongly convex. Aperture very obliquely ovate,

the peristome thin, fragile, unexpanded, the columellar margin broadly dilated and reflexed. Alt. about 1.6, diam. about 1.5 mm.

Hirado, Hizen. Types no. 82974 A. N. S. P., from no. 890 of Mr. Hirase's collection.

This is, I have not much doubt, the species collected by Hilgendorf at Yedo and in Idsumo, recorded by Prof. von Martens as "eine der *H. orcula* Bens. höchst ähnliche Art;"¹ but it differs from that Bengalese species in the much larger umbilicus and smoother surface, as well as in the noticeably smaller size.

Some immature specimens from Kashima, Harima (Mr. Hirase's no. 901) are probably the same species. With the two localities given by Prof. von Martens, this gives *Pupisoma* a wide range in central and southwestern Nippon. Until mature shells can be examined, the identity of the Nippon shells with the types from western Kiushu cannot safely be assumed, although it is likely.

PUBLICATIONS RECEIVED.

Catalogue of the Binney and Bland collection of the Terrestrial Air-breathing Mollusks of the United States and Territories, in the American Museum of Natural History, with enumeration of types and figured specimens, and supplementary notes. By L. P. Gratacap (Extr. from Bull. Amer. Mus. N. H. xiv, article xxiii, pp. 335-403. Dec. 3, 1901).

The "Binney and Bland collection" was formed by Mr. Binney, consisting in part of specimens from the collection of Dr. Amos Binney. It was given by him to Thomas Bland, from whom the Museum acquired it in 1882. The collection derives its importance from containing many of the shells illustrated in *Terrestrial Mollusks* Vol. III (the plates of which were reprinted in T. M. vol. V), besides many of Mr. Binney's types. The present list, of which the scope is stated in the title, is therefore important for reference to those who have occasion to study critically the land shells of the U. S. Mr. Gratacap has added notes upon many of the species. In some cases these record varietal names found upon the original labels, but elsewhere unpublished.

Five interesting plates showing generic distribution, and the relative

¹Sitzungsberichte der Gesellschaft naturforschender Freunde in Berlin, 1877, p. 101 (Sitzung vom 17, April).